

ABSTRACT

Refractory coatings comprising unstabilized zirconia, silica, and, optionally, zircon and/or mullite are disclosed herein. The unstabilized
5 zirconia, silica, and optional zircon and/or mullite are applied as a slurry
onto ceramic substrates such as silicon carbide and fired. The refractory
coatings of the present invention maintained good edge definition and color
when applied to ceramic substrates and subjected to temperatures over
1100°C.

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